CLAIMS

We Claim:

1. A method for use in a network computer environment for implementing a business requirement, the network computer environment including at least one computing device, the method comprising:

    separating logic necessary to configure the computing device from the business requirement; and

    conveying the computer device logic to the computer device so that the computer device is able to implement the business requirement.

2. The method of claim 1, further comprising:

generating commands for enabling the computing device to implement the business requirement, said commands being based upon the separated computing device logic.

3. The method of claim 1, further comprising:

determining said business requirement based upon information from a user interface and further based upon information about the current state of the network computer environment.

4. The method of claim 1, wherein said network computing environment is a telecommunications network, and said computing device is a telecommunications switch.

5. The method of claim 1, wherein said computing device includes one or more data tables which determine the operation of said computing device.

6. The method of claim 5, further comprising:

determining the tables that need to be modified in the computing device based upon said business requirement; and

generating one or more commands which allow said computing device tables to be modified to put into effect the business requirement.

7. The method of claim 1, wherein said network computer environment includes a plurality of computing devices, and wherein said computing devices are of various types, each type requiring different logic in order to accomplish the business requirement, said method further comprising:

determining commands that are specific to each type of computing device based upon the business requirement; and

communicating said commands to said computing devices.

8. A network computer system capable of implementing a business requirement, the network computing system comprising:

at least one computing device responsible for determining routing of data through a network;

a logic separation component which separates the logic necessary to configure the computing device from the business requirement; and

a communication component which delivers the separated computer device logic to the appropriate computer device so that the computing device can implement the business requirement.

9. The system of claim 8, further comprising:

a command component which generates commands which enable the computing device to implement the business requirement, and wherein said demands are based upon the separated computing device logic.

10. The system of claim 8, wherein said business requirement is based upon information from a user interface and further based upon information about the current state of the network computer environment.

11. The system of claim 8, wherein said network computer environment is a telecommunication network and said computing device is a telecommunications switch.

12. The system of claim 8, wherein said computing device includes one or more data tables which determine the operation of the said computing device.

13. The system of claim 12, further comprising:

a table determination component which determines which tables associated with the various computing devices need to be modified; and

a command component which generates one or more commands which allow said computing device tables to be modified to put into effect the business requirement.

14. The system of claim 8, wherein said network computer environment includes a plurality of computing devices, and wherein said computing devices are of various types, each type requiring a different logic in order to accomplish the business requirement, the system further comprising:

a command component which determines the appropriate commands that are

specific to each type of computing device based upon the business

requirement; and

a communications component which conveys the determined commands to said

computing devices.

15. A computer readable medium having computer executable instructions for implementing a business requirement in a computer network, the network including at least one computing device, comprising:

separating logic necessary to configure the computing device from the business

requirement; and

conveying the computer device logic to the computer device so that the computer

device is able to implement the business requirement.

16. The computer readable medium of claim 15, further comprising:

generating commands for enabling the computing device to implement the

business requirement, said demands being based upon the separated

computing device logic.

17. The computer readable medium of claim 15, further comprising:

determining said business requirement based upon information from a user

interface and further based upon information about the current state of the

network computer environment.

18. The computer readable medium of claim 15, wherein said network computing environment is a telecommunications network, and said computing device is a telecommunications switch.

19. The computer readable medium of claim 15, wherein said computing device includes one or more data tables which determine the operation of said computing device.

20. The computer readable medium of claim 15, further comprising:

determining the tables that need to be modified in the computing device based upon said business requirement; and

generating one or more commands which allow said computing device tables to be modified to put into effect the business requirement.

21. The computer readable medium of claim 15, wherein said network computer environment includes a plurality of computing devices, and wherein said computing devices are of various types, each type requiring different logic in order to accomplish the business requirement, further comprising:

determining commands that are specific to each type of computing device based upon the business requirement; and

communicating said commands to said computing devices.

22. A network computer system capable of implementing a business requirement, the network computer system including at least one computing device, the system comprising:

means for separating logic necessary to configure the computing device from the business requirement; and

means for conveying the computing device logic to the computing device so that the computing device is able to implement the business requirement.

23. The system of claim 22, further comprising:

means for generating commands for enabling the computing device to implement the business requirement, said demands being based upon the separated computing device logic.

24. The system of claim 22, further comprising:

means for determining said business requirement based upon information from a user interface, and further based upon information about the current state of the network computer environment.

25. The system of claim 22, wherein said network computing system is a telecommunications network, and said computing device is a telecommunications switch.

26. The system of claim 22, wherein said computing device includes one or more data tables which determine the operation of said computing device.

27. The system of claim 26, further comprising:

means for determining the tables that need to be modified in the computing device based upon said business requirement; and

means for generating one or more commands which allow said computing device tables to be modified to put into effect the business requirement.

28. The system of claim 22, wherein said network computer system includes a plurality of computing devices, and wherein said computing devices are of various types, each type requiring different logic in order to accomplish the business requirement, the system further comprising:

means for determining commands that are specific to each type of computing device based upon the business requirement; and

means for communicating said commands to said computing devices.

29. A method in a computer system for taking a business requirement and separating out logic that is specific to computing devices that are connected to the computer system, the method comprising:

determining for each type of computing device the appropriate tables within the computing device that will need to be modified;

determining the appropriate commands needed to populate the previously determined computing device tables; and

conveying said commands to the corresponding computer devices.

30. A method for use in a computing environment for implementing a business requirement in a computing device by providing a plurality of commands to the computing device, wherein business logic is separated from the logic that is specific to the computing device, comprising:

obtaining a business demand for the implementation of a task;

identifying one or more services that pertain to said task;

utilizing said services to identify one or more data tables to be populated within the computing device; and

populating said tables with information to enable the computing device to implement said task.

31. A method in a computing environment for utilizing business logic to generate command logic for a computing device comprising:

receiving a plurality of data and one or more services to be performed by the computing device;

identifying one or more tables that need to be populated based on each of the services;

building a command that is specific to each of the services, by grouping and ordering said received data into delimited fields; and

inserting said command into said tables.

32. A system for building commands for a computing device to instruct the computing device on performing a task, wherein the computing device functions by having one or more tables loaded with data, comprising:

a service interpreter component for receiving a plurality of data and a service identification, wherein said service identification corresponds to the task to be performed by the computing device, wherein said data is

manipulated specifically for the computing device, and wherein said service identification is used to identify the tables that need to be loaded with said data;

a command component for building an ordered text string of fields for the table, said text string representing a row entry in the table;

at least one command builder component to build a command, said command builder component existing for each of the tables in the computing device, said command builder component adapted to build a command appropriate to a received service identifier by invoking said command component ; and

a command factory component adapted to receive the identified tables and provide a pointer to said command builder component.